

Application Serial No.: 09/672,987
Attorney Docket No.: 0190227

List of Claims:

1-4. (Canceled)

5. (Previously Presented) A selectable resolution image capture system comprising:

- an imager having a plurality of photocells that produce an analog electrical response to light exposure;
- a circuit that converts the electrical responses of the plurality of photocells into digital signals;
- the circuit having a full-resolution mode and a low-resolution mode; and
- an image processor that operates the circuit and selects between the full-resolution and low-resolution modes of the circuit to capture an image, where the image processor detects whether there is a low incident light condition, and if so, captures the image using the low-resolution mode of the circuit.

6. (Previously Presented) A selectable resolution image capture system comprising:

- an imager having a plurality of photocells that produce an analog electrical response to light exposure;

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a circuit that converts the electrical responses of the plurality of photocells into digital signals;

the circuit having a full-resolution mode and a low-resolution mode; and an image processor that operates the circuit and selects between the full-resolution and low-resolution modes of the circuit to capture an image, where the image processor detects whether there is a low power condition, and if so, captures the image using the low-resolution mode of the circuit.

7-23. (Canceled)

24. (Previously Presented) A selectable resolution image capture system comprising:

an imager having a plurality of photocells producing electrical charges in response to light exposure;

a high-resolution mode for converting each electrical charge produced by the plurality of photocells into corresponding digital signals to produce a full-resolution image;

a low-resolution mode for combining the electrical charges produced by groups of at least two photocells and converting the combined electrical charges of each group into corresponding digital signals to produce a low-resolution image; and

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means for detecting incident lighting conditions and selecting the low-resolution mode if the incident lighting conditions disfavor the high-resolution mode.